

Newsletter Date:
Summer 2016



IDAHO TRANSPORTATION DEPARTMENT



USDOT Awards \$5.1M FASTLANE Grant

The United States Department of Transportation (USDOT) awarded \$5.1 million for the upcoming U.S. 95 north corridor access improvements. The FASTLANE grant, which must still be approved by Congress, represents a significant portion of the estimated \$8.5 million that the improvements are estimated to cost.

“We are very thankful for the award of this grant,” said ITD District 1 Business Operations Manager Scotty Fellom. “It will enable a much-needed improvement for the increase of movement and assurance of continued safe travel in this highly congested portion of the U.S. 95 corridor through Coeur d’Alene and the sur-

rounding area.”

The U.S. 95 access-improvements project was one of only 18 projects selected nationwide from more than 200 submissions.

In the 8.4-mile portion of U.S. 95 stretching from the junction with Interstate 90 to the junction with Idaho 53, two traffic signals will be relocated to optimize spacing, many cross-street entrances and exits eliminated for safety, timing adjusted for the 16 traffic signals in the corridor, and turning radius modified at many intersections. The result will be a shorter delay and quicker travel for the overall system and for commercial trucks headed north or

south, reduction of cross-street delays, and reduction of vehicle conflict points for greater overall safety.

ITD will be the project sponsor for the multi-agency effort, which will also involve the cities of Coeur d’Alene and Hayden, and the Kootenai Metropolitan Planning Organization.

“This series of projects are essential to the long-term viability of the U.S. 95 corridor providing access and mobility for freight, commerce, economic development and the citizens of this region,” KMPO Executive Director Glenn Miles said in the application for the grant.

Administration



*Scotty Fellom,
Business Operations Manager*

The months of July and August have been busy ones. It was the beginning of our fiscal year, we had the Director visiting, held our innovation fair, various classes and hosted the ITD Board on July 27th -28th. We toured the Idaho Forest Group Chilco Mill, Empire Airlines and the KTEC Training Center in Rathdrum.

Our Innovation Fair was a resounding success, it was great to have Director Ness participate, meet staff and see

and touch all the great innovations our employees have created, we have some great photo's and a video of the event. We are really lucky to have so many very talented employees in our midst.

The District just recently hired six new engineers and they have hit the ground running and all have projects they are working on.



Front, left to right: Staff Engineer Carrie Ann Hewitt; EIT's Denise Wright and Breanna Logervell.

Back, left to right: Associate Engineer Mason Palmer, Staff Engineer Joey Sprague and EIT Shannon Stein

District One Innovation Fair Highlights Low Cost Solutions

District One recently hosted an Innovation Fair to highlight the District's innovative, low-cost solutions to daily operations activities. Over a dozen innovations were on display with personnel providing briefings on operational problems they solved using low cost solutions.



Dustin Chase, Vehicle Shop Superintendent shows Director Ness how a \$400 stainless steel truck chassis cover protects critical valves from corrosion caused by salt and sand. This protective covers saves an estimated \$56,000 a year in parts & labor for the D1 fleet.



Robert Buechner from the Bonners Ferry crew fabricated a guardrail washer which allows crews to clean the top and both sides of the guardrail at the same time as the maintenance truck moves down the highway. It also reduces the number of people required to perform the task from four to two compared to the old way, and drastically reduces the time required for the task, from 240 hours per season to about 36.

Cedars Area Foreman Dave Palmer developed a tensioned cable, with connectors that keeps dump truck tailgates level and immovable. The cable fastener made with steel cable and shackles are pinned in with tailgate pins making it safer for employees to drop the tailgates to haul longer items, and eliminates the need for chains that had a tendency of coming loose and an hour-long process of setting the tailgate down.



Adding a winch to tilt bed truck allows maintenance crews to drive at highway speeds to the site of a large animal road kill and remove the carcass in five minutes. Previously a two man crew had to drive a loader and dump truck to the site to load the animal up for disposal. This allows crews quickly and safely remove animals from the roadway.

The Signing and Striping Crew drilled and threaded the District's paint truck spray guns with a off the shelf chainsaw air filters which block paints beads from clogging the factory exhaust hole on the paint gun. Prior to this the paint guns would get fouled with the paint beads requiring cleaning. Now the gun diaphragms last an entire season.



Upcoming Events

- August 22, Staff Meeting - EOC Room, 9:00 am
- September 26, Staff Meeting- EOC Room, 9:00 am
- December 5, Legislative Outreach Meeting - EOC Room, 8:00 am



*Jerry Wilson, P.E.
Operations Engineer*

Maintenance Operations

Crews throughout District One are doing similar maintenance activities of paving, brushing, and mowing. Several crews are teaming up with our limited staff to work on these activities.

The Sandpoint Crew recently finished their portion of a bike path project they are doing in cooperation with Bonner County. They completed an approach to the Dover Bridge that had sunk about 7.5 inches and ended up needing 430 tons of asphalt in order to make it level and safe for the traveling public. In August this crew will move two RWIS stations to new locations on Highway 200 which will result in offering a better representation of road conditions and storms. This relocation will also result in eliminating the need to staff our Clark Fork shed.

Foreman Gary Sjogren from the Osburn I-90 Crew reported that the two-year Lookout Pass project is moving ahead of schedule and should be finished grinding the old concrete and stockpiling this week. Pipework is going well. So far, there have been no major problems with traffic. Next week they will do a culvert cleaning project that will take at least a week. Following the culvert project, they will pave three bridge approaches in order to make a smooth transition from the highway to the bridge deck.

The St Maries Crew has an August paving project they will work on with the Eastside Highway District at SH-03 and a county road. As part of the TTO requirements, some of the Crew members are doing inspection work while the remaining crew among doing other maintenance activities, attended an 8-hour Adobe class.

Gene's Bridge and Building Crew and the Osburn/Mullan Crew continue to work on bridges in the Silver Valley. This year they have worked on six bridges. Gene would like to work on an additional ten bridges located on Highway 95 and Coeur d'Alene north however, reality is that they will most likely only get to four or five.

District One Streamlines Stockpile Inventory Methods

Each year District Maintenance personnel conduct inventories of material stockpiles located at maintenance yards. These stockpiles include salt, sand and aggregates. Each Foreman area is required to measure and calculate the volume and weight of material piles for reporting, and to assist in placing orders for next year's materials.

Traditional methods can require measuring the length, width and height to estimate stockpile volumes, or have a crew use a total station and prism pole to collect information on the stockpile. This process can be time-consuming and sometimes dangerous. Some stockpiles of loose materials pose a safety hazards to personnel.

This year Maintenance, Surveyors and GIS personnel from Districts 1 & 2 conducted a joint training course on how to use a new laser positioning system with integrated volumetric calculation software. D1 was able to rapidly and accurately measure 66 stockpiles in just 12 days. Each stockpile contained 200-400 measurements resulting in highly



accurate volume calculations. The stockpile volumes and weights were then provided to the District's Supply Officer and entered into the AMS accounting system to reconcile.



Jake Kimberling and Jeremy Miller from Athol Foreman Area survey Salt Stockpiles using LTI TruPulse Laser Rangefinder with integrated volumetric calculation software.

In True Blue fashion and without hesitation D1's Maintenance Team of Kimberling and Miller volunteered to assist D2 in completing their stockpile inventory. The definition of a Team Effort !



*Marvin Fenn, P.E.
Engineering Manager 2
Planning and Engineering Resources*

Planning and Engineering Resources

District 1 Planning & Engineering Resources is happy to welcome 2 new Staff Engineers to our section. Carrie-Ann Hewitt and Denice Wright.

Carrie-Ann Hewitt comes to ITD from Wisconsin where she was employed by the Wisconsin DOT. She previously worked for Sewell Engineering in Sandpoint. She and her husband have two young children and live in Sagle. Her inspiration to pursue an Engineering Degree was a result of encouragement from her 8th grade softball coach who recognized her gift for math and science. Carrie-Ann enjoys snowboarding, hiking, and spending time with her family. She also hunts antelope with her husband in Wyoming, which I'm sure will be of interest to some of you hunters out there.

Denice Wright joins us from District 5, where she was employed as an hourly. Originally from American Falls, she earned her Engineering Degree from Idaho State University, Pocatello. Her brother, Gredon Wright, inspired her to pursue a Degree in Engineering to utilize her gift for math. Gredon is a Civil Engineer and currently works for ITD in District 5. Denice enjoys movies, bicycling, loves dogs, and collects the 'Chicken Soup for the Soul' books, 5 of which are about dogs. So, anyone with good K-9 stories stop by and say 'Hi' to Denice.

The FY17 Draft ITIP Program was presented at the Board on June 16th, and is available for public comment until 11:59 PM on Saturday, July 30. You can review the FY17 Draft ITIP at http://itd.idaho.gov/itip/itip2017/FY17_Draft_itip.pdf.

Greg Brands, Staff Engineer, recently attended the NSPE 2016 Professional Engineer Conference in Dallas, Texas. The theme of the conference was "Innovate, Lead, Change the World." Innovation is currently the focus for ITD also. I asked Greg what the trending topic concerning innovation was at the conference and he said it was the importance of keeping professional engineers at the top of their game in terms of standard of care, and keeping them at the leading edge of emerging technologies in order to help insure public safety, health and welfare - the mission of NSPE, and all licensed professional engineers. Emerging technologies including Autonomous Vehicles and Artificial Intelligence have great potential, and are very exciting, but present very grave and sobering risks to society and the public if unleashed without proper planning and safety measures. NSPE seeks to move the profession of engineering out in front of these emerging technologies, placing professional engineers where they are most needed, anticipating, and planning for the issues, and addressing them before endangering public health, safety, and welfare. Greg has been an active member of NSPE for 13 years, and a National officer since 2007. He just completed a 2-year term serving on the NSPE National Board of Directors. One of the highlights of the conference for Greg was the way NSPE has made yet another leap forward in focusing on its primary mission, furthering its progress in restructuring to meet the needs of the professional engineer of the 21st century, including making giant strides in its membership services platform, enabling efficient mobile access to all of NSPE resources by members, access to numerous online communities and forums, and increased utilization of social media to make it a relevant and responsive organization that can meet the needs of the emerging professional engineers of today and tomorrow. Any of our new engineers interested in learning more about NSPE (National Society of Professional Engineers) are welcome to stop by and visit Greg. The website is <https://www.nspe.org/>.

Project Design

I-90, PINEHURST TO KELLOGG, SHOSHONE CO - KN 19366

A Resurface Project for pavement preservation on I-90 from MP 44.500 to MP 49.000. Total project length is 4.5 miles for 4 lanes. Programmed for FY19

I-90, KELLOGG TO ELIZABETH PARK RD, SHOSHONE CO - KN 19366

A Resurfacing Project on I-90 from MP 49.000 to MP 51.956, for pavement preservation. Total project length is 2.956 miles for 4 lanes. Programmed for FY20.

I-90, IC 68 TO EAST OF MULLAN, SHOSHONE CO - KN19052

A Restoration project on I-90 from MP 68.005 to MP 69.515, (6.04 lane miles) to crack & seat existing PCC pavement in the travel lanes and shoulders, applying an HMA leveling course followed by a stress absorbing membrane interlayer (SAMI) and an HMA overlay. Rumble strips and striping will be installed. Programmed for FY20.

US-95, BLACKWELL SLOUGH TO I-90 OPASS IC#12 - KN19221

A Restoration project on US-95 from MP 429.005 to MP 430.592, to provide pavement preservation by applying a 0.20' Mill and Inlay with a 0.25' Superpave Hot Mix Asphalt (HMA) Overlay and updating ADA curb ramps. Programmed for FY20.

SH-5, ST MARIES RR WEST TRESTLE WALL, BENEWAH CO - KN18675

A Bridge Restoration project to increase safety by adding shoulders to SH-5 at MP 6.0 under the St Maries River Railroad trestle. This will require moving the retaining wall on the west side of the road 16 feet back from the roadway. Programmed for FY20.

SH-97, CDA RV BR, HARRISON - KN18806

A Bridge Restoration project to correct settlement at the abutments that has occurred since the bridge was constructed in 2007. The Coeur d'Alene River Bridge, located 0.6 miles north of Harrison, has experienced significant and continued settlement at both abutments—the July 2014 bridge inspection report indicates that the south abutment has settled 7.5 inches and the north abutment has settled 14.5 inches. Steel shims have been placed and the asphalt approaches patched to keep the bridge deck at roadway elevation. Programmed for FY19.

I-90B, OLD US-10 WALL REPAIR WALLACE - KN18996

A Bridge Restoration project to rehabilitate and stabilize the retaining wall that supports I-90B and the barrier and rail that run along the left side of the roadway from North Frontage Rd to 6th St. This wall has historical significance and the work will preserve as much of the cultural value as possible. Programmed for FY20.

I-90, PENNSYLVANIA AVE OPASS WB CDA - KN19188

A Bridge Restoration project to replace the existing two-span bridge in the west bound lane built in 1960 on I-90 crossing over Pennsylvania Avenue in the town of Coeur d'Alene. The 2014 Bridge Sufficiency Rating was 74.5. The existing bridge is structurally deficient with the superstructure rated in fair condition. Programmed for FY20

SH-53, UPRR BRIDGE NEAR US-95 – KN19385

A Bridge Restoration project involves realigning approximately one-half mile of SH-53, just west of the SH-53 & US-95 junction and constructing a new SH-53 Union Pacific Railroad (UPRR) bridge. The old UPRR Bridge is functionally obsolete and will be removed. This project is programmed for FY20.

US-95, SANDPOINT LONG BR OVER PEND O'REILLE - KN19248

A Bridge Restoration project that includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and performing miscellaneous bridge repair. Programmed for FY20.

I-90, BLUE CR BAY BR , WBL, KOOTENAI CO – KN19431

The work for this project includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and performing miscellaneous bridge repair. Programmed for FY19.

I-90, BLUE CR BAY BR , EBL, KOOTENAI CO – KN19257

The work for this project includes applying fiber reinforced polymer (FRP) wraps on the submerged piers; repositioning of bearing pads at selected bents; patching and repairing various concrete structural members and painting the steel supports at selected bents and per-

forming miscellaneous bridge repair. Programmed for FY19.

SH-200B, STRONG CR BR, EAST HOPE – KN19506

Bridge Restoration project to replacement bridge on SH-200 Business Route.

I-90, CEDARS TO DUDLEY RD UPASS, KOOTENAI CO – KN18955

An ED Project. This project is to improve safety on I-90 between MP 32.35 and 36.2, Kootenai County, a High Accident Location. This will be accomplished by minor widening and resurfacing the median with plant mix and constructing tall concrete barrier.

US-95, AQUA AVE TO MILES AVE, HAYDEN – KN19343

An ED Project. This project is to improve mobility on US-95 between MP 433.550 to 435.450, Kootenai County. This will be accomplished by following recommendations of the Kootenai Metropolitan Planning Organization (KMPO) US-95 Access Study, commissioned by the ITD Board (2006). The improvement Strategy for US-95 included signal installation at the intersection of US-95 & Miles Ave, and Restricted Access at Aqua Ave, allowing right in/right out and left turns off of US-95.



*Ryan Hawkins, P.E.
Engineering Manager
Design / Construction, Team A*

Design/Construction Team A

Project Design

FY18a D1 BRIDGE REPAIR - FY18 – KN 13849

Estimate: \$2.2 million, PS&E by September 30, 2016

This project will perform an epoxy overlay and silane protective treatment on the following structures: I-90 at 3rd Street, I-90 at Big Creek Road, and I-90 at Johnson Street.

A silica fume overlay and silane protective treatment will be performed on the following structures: I-90 at Silverton IC, I-90 Business Loop at Silverton IC, and I-90 at South Fork Coeur d'Alene River. Design efforts are underway.

US-95, COCOLALLA CREEK BRIDGE - FY18 – KN 13850

Estimate: \$1.0 million

This project will replace the existing deteriorated bridge. Final design complete and PS&E delivered on June 30, 2016.

US-95, MOCTELME CREEK BRIDGE - FY18 – KN 13852

Estimate: \$890K

This project will replace the existing deteriorated bridge. Preliminary design efforts are underway, and final design and PS&E delivery are expected to be complete by September 30, 2016.

SH-41, BURLINGTON NORTHERN RR BR, BONNER CO - FY19 – KN 13851

Estimate: \$3.1 million

This project will replace the existing deteriorated bridge. Survey has been completed. Design efforts through PS&E are being consulted

out with HDR, Inc. being selected as the design consultant. PS&E is scheduled for September 30, 2017.

I-90, KINGSTON IC #43, SHOSHONE CO - FY19 – KN 19133

Estimate: \$8.0 million

This project will replace the existing deteriorated bridge and increase structure clearance over the Interstate. Parametrix was selected through the RFP process to provide design services through PS&E with initial design efforts underway. PS&E is scheduled for September 30, 2016.

SH-6, CREEK BR, BENEWAH CO - FY18 – KN 19009

Estimate: \$725K

This project will replace the existing two-lane deteriorated and structurally deficient bridge. Preliminary design efforts are currently underway with PS&E is scheduled for September 30, 2016.

US-95, ECHO DR TO MP 515.50, BOUNDARY COUNTY – FY18 – KN 13859

Estimate: \$2.25 million

Restoration project on US-95 for roadway resurfacing and guardrail upgrade. Project US-95, MP 511.0 to MP 515.5, is for the work of resurfacing the roadway through the project limits. The project is being advanced with the Draft ITIP to FY18. Design efforts are currently underway with PS&E submittal scheduled for September 30, 2016.

FY19 D1 BRIDGE REPAIRS – KN 18681

Estimate: \$2 million

Five Silica-fume overlays and one epoxy overlay, as well as repairs on six I-90 bridges from MP 17.82 to 51.96. The initial Development Charter is approved.

US-95, WINDFALL PASS CURVE BENEWAH CO - FY-18 KN 18999

Estimate: \$1.78 million

This project addresses a high accident location on US-95 at milepost 388 by increasing the curve radius.

The project improvements include widening the lanes and shoulders throughout the curve and adding a left turn lane at the intersection of US-95 and Windfall Pass Rd. The survey for the project has been completed and Preliminary design is complete. PS&E delivery is anticipated on September 30, 2016.

Project Construction

US-2, PINE ST TO CEDAR ST, SANDPOINT - FY16 – KN 19172

Awarded to Earthworks Northwest, Inc.; Construction to start August 15th

Cost: \$1,610,578.11

This project will reconfigure US-2 from one-way to two-way on 5th Avenue between Pine Street and Cedar Street with intersection improvements along 5th Avenue. Pine St, 1st Ave, Cedar St, and Superior St will be relinquished to the City of Sandpoint.

SH-97, I-90 OPASS IC 22, KOOTENAI CO - FY16 – KN 13382

Awarded to Concrete Placing Co.; Construction starts by June 15

Cost: \$4,677,960.28

This project will replace the SH-97 structure over I-90 and include some interchange improvements. PS&E was delivered September 30, 2015. This project was chosen for State funded construction with



HB-312 Surplus Eliminator funds. The project bid opened March 1st and the project was awarded on March 18, 2016. Construction is currently in progress. I-90 is reduced to one lane in both bounds and abutment work is complete. Girder erection is nearing completion and the project is on schedule.

US-95, ROUND PRAIRIE CR TO CANADA - FY17 – KN 13407

Advertise this fall Estimate: \$4.5 million

The purpose of this project is to rehabilitate US-95 from MP 526.670 to 536.560 by performing a mill and inlay. Additionally, the structure over Round Prairie Cr at MP 532.32, which was built in 1933 and is 24' wide, will be replaced. PS&E submittal was completed in September, 2015. The project was advertised and received a bid from one bidder which was over the engineer's estimate. Project is being modified with the intention to re-advertise this fall.

SH-5, ST MARIES RIVER RR UNDERPASS, BENEWAH CO - FY17 – KN 13410

Awarded to West Construction; Construction currently underway

Cost: \$1,098,133.10

The purpose of this project is to increase SH-5 sight distance through the existing RR underpass. Construction commenced on this project. Traffic is reduced to one lane utilizing a portable traffic signal. MSE wall preparation and construction has begun.

SH-41, RATHDRUM TO JCT SH 54 & SH-41, JCT SH-53 TO JCT US-2 - KN 13402 & 12291

Awarded POE Asphalt Inc; Construction is expected to be complete in September

Cost: \$4,509,908.47

The purpose of this project is to rehabilitate SH-41 from MP 7.900 to 18.134 by performing a CRABS and construct safety improvements from MP 7.9 to 39.058 that are a result of a roadside safety audit performed in 2012. The improvements consist of addition of turn bays at selected intersections and signage improvements amongst other items. Construction efforts began for KN 12291 on May 02 and are now substantially complete. KN 13402 only has the top lift of HMA paving and approach work as major items of work remaining.

SH-5, 4TH ST TO JCT SH 3, ST MARIES - FY17 – KN 12290

Awarded to Accelerated Construction; Construction currently underway

Cost: \$1,160,114.58

This project will include the reconstruction of pavement, base, and sidewalks at the junction of SH-3 and SH-5 to meet current design standards and traffic needs. Turn lanes and an increase to intersection radii for truck traffic are included in the design. PS&E delivered September 30, 2015. Construction work was substantially complete on July 23rd.



*John Perfect, P.E.
Resident Engineer
Design/Construction, Team B*

Design/Construction Team B

Project Design

SH-3, CATTLE PASS CR BR - FY18 – KN 13385

Estimate: \$1.1 million

The purpose of this project is to replace the existing 12-ft simple-span timber structure with a culvert, and replace an adjacent culvert. Final design completed and PS&E has been submitted. Conditional R/W certification has been issued.

I-90, GOVERNMENT WAY UPASS, COEUR D'ALENE - FY18 – KN 13861**Estimate: \$710k**

Consultant safety analysis did not show significant improvement for the cost to be spent. There is some consideration by FHWA and ITD staff that project could make situation worst and/or create other problems. Project is to be removed from ITIP. Companion with KN 19002 deleted.

I-90, NORTHWEST BLVD TO SHERMAN AVE - FY18 – KN 19002**Estimate: \$18.045 million, PS&E by September**

This project is a full-depth reconstruction of I-90 from MP 10.953 to 14.803. Survey and preliminary design efforts are underway.

I-90, WASH ST LN TO BIKE/PED BR - FY18 – KN 13411**Estimate: \$7.5 million**

The purpose of the project is to rehabilitate I-90 from MP 0.0 to 10.953 by performing a mill and inlay. Preliminary design underway. Companion to KN 13849. PS&E by September.

US-95, HANGMAN CREEK OVERFLOW BRIDGE - FY18 – KN 13853**Estimate: \$890k**

This project will replace the existing deteriorated bridge. Final design completed and PS&E has been submitted.

**US-95, ALDERSON LN TO MADISON ST, BONNERS FERRY
FY18 – KN 12964****Estimate: \$4.8 Million**

Address safety issues along the corridor by building two thru-lanes with a two-way left turn lane (TWLTL), constructing shoulders/bike lanes, a grass buffer/snow storage area, and sidewalk on each side with ADA ramps. This project will construct Stage 1 from MP 506.253 – 506.960 (Alderson Lane to Madison St). A storm drainage system will also be included in the project. A public meeting was held on 2-5-15, and it was well attended. A public hearing was held on 8-5-15. Final design is underway.



Bonnors Ferry, Boundary County

KN 12964 Project Extents

US-95, LABROOSE HILL RD TO ALDERSON LN, BONNERS FERRY - FY20 – KN 19965**Estimate: \$6.975 million**

Continuation of KN 12964. Consultant to be selected by RFP.

US-95, COUGAR CR TO BLACKWELL SLOUGH, KOOTENAI CO - FY18 – KN 13854**PS&E by September****Estimate: \$2.9 million**

This project will rehabilitate the pavement on US 95 from MP 426.5 to 428.981 by milling 0.2' of existing asphalt and overlaying with 0.25' of new asphalt. Final design efforts are underway. Companioned with KN 19221.

US-95, BLACKWELL SLOUGH TO I 90 OPASS IC#12 - KN19221**FY18 Design**

A Restoration project on US-95 from MP 429.005 to MP 430.592, to provide pavement preservation by applying a 0.20' Mill and Inlay with a 0.25' Superpave Hot Mix Asphalt (HMA) Overlay and updating ADA curb ramps. Programmed for FY20, but will be companioned with KN 13854.

US-95, MP 429.6 to MP 430 – FY20 – KN 19452**Estimate: \$6.050 million**

Corrects curve at the intersection of Walnut Way and Lincoln Way. Consultant to be selected by RFP.

SH-97, CDA RV BR, HARRISON - FY19 - KN18806**Estimate: \$1.725 million**

A Bridge Restoration project to correct settlement at the abutments that has occurred since the bridge was constructed in 2007. The Coeur d'Alene River Bridge, located 0.6 miles north of Harrison, has experienced significant and continued settlement at both abutments—the July 2014 bridge inspection report indicates that the south abutment has settled 7.5 inches and the north abutment has settled 14.5 inches. Steel shims have been placed and the asphalt approaches patched to keep the bridge deck at roadway elevation. Consultant to be selected within this month.

FY18b D1 BRIDGE REPAIRS – KN 19326**Estimate: \$2.315 million**

This project is envisioned to be a bridge preservation and bridge preventive maintenance project. The existing condition of the selected structures range from satisfactory to very good. The application of the deck preservation system is proposed to be either an Epoxy Overlay or a Silica Fume Concrete Overlay. This project is to be companioned with project I-90, WA ST LN TO BIK/PED BR, POST FALLS, milepost 0.000 to 10.935 (43.812 Lane Miles), a resurfacing project. Companioned with KN 13411.

I-90, IC 68 TO MULLAN - FY18 – KN 19052**Estimate: \$10.3 million**

Project continues concrete roadway replacement east of the Mullan to Montana project that is currently under construction. PS&E due in fall of 2017. Consultant has been selected. Preliminary design complete.

SH-41, I-90 IC TO PRAIRIE AVE – FY20 – KN 19682**Estimate: \$12.030 million**

Project reconstructs SH-41 to five lanes with signals. Consultant to be selected by RFP.

SH-5, ST MARIES RR WEST TRESTLE WALL – FY20 – KN 18675**Estimate: \$2.020 million**

Project extends truck lane and relocates retaining wall for St Maries River RR trestle. Preliminary geotechnical work has been accomplished. New consultant to be selected by RFP.

I-90B, OLD US-10 WALL REPAIR, WALLACE – FY20 – KN 18896**Estimate: \$1.220 million**

Project repairs damage to retaining wall holding old US-10 over South Fork of Coeur d'Alene River. Consultant to be selected by RFP.

I-90, PENNSYLVANIA AVE OVERPASS – FY20 – KN 19188**Estimate: \$4.770 million**

Project repairs damage to bridge superstructure and deck.

SH-53, UPRR BRIDGE – FY19 – KN 19389**Estimate: \$ 10.750 million**

This project will replace the 1937 vintage structure over the UPRR.

COEUR D'ALENE LAKE DRIVE CORRIDOR MASTER PLAN – KN 13425**Ongoing study****Corridor Master Plan Document Only****Estimate: \$150k – No CN**

This project will create a corridor master plan that defines the future use, ownership, and operation of the Old US 10 corridor from Sherman Ave to the Higgins Point trailhead. The stakeholder agencies met in July and the consultant is continuing with the study.

Project Construction

FY17 D1 BRIDGE REPAIR - FY17 – KN 13386**Contractor: Truesdell Co., Construction to start May****Estimate: \$2.2 million**

This project involves bridge repair work to submerged piers on the Sandpoint Long Bridge and to selected bents on the parallel pedestrian bridge. In addition, an epoxy overlay will be applied to the Long Bridge to provide skid resistance. Work started July 6, 2016.

US-95, BENEWAH CO LN TO WORLEY - FY17 – KN 13405**Contractor: Interstate Asphalt, Inc.****Estimate: \$2.9 million**

Project reconstructs a portion of US-95 north of Plummer. Work started June 2016.

SH-3, CD'A RIVER BRIDGE TO I-90 OVERPASS – KN 13406**Contractor: Interstate Asphalt, Inc.****Cost: \$1,629,337.56**

Project overlays the northern section of SH-3 and replaces signing, guardrail, and culverts. Work started June 2016.

SH-41, SELTICE WAY TO MULLAN BIKE/PED TRAIL, POST FALLS**Currently In Construction****Contractor: Winkler Construction, Inc.****Cost: \$518,131.81**

Project is a City of Post Falls TAP. It will construct a trail extension from the Centennial Trail, under the I-90 & SH-41 IC, and to the local sidewalk system along SH-41. Work is complete with project closeout remaining.

I-90, ELIZABETH PARK RD TO OSBURN - SEAL COAT ONLY**Contractor: Knife River Corporation - Northwest****Cost: \$5,695,870.75**

This Project will grind and pave back two 0.20' Hot mix asphalt lifts on 6.5 miles of Interstate 90. Metal guardrail will be replaced and the roadway will get a chip seal.

Pavement work has been completed. ITD has rejected the first season's work in the driving lanes due to latent defects. DRB hearing was held on May 18, 2014 where ITD prevailed on all accounts. ITD and Knife River completed negotiations on repair method and warranty. Seal work remains for the upcoming season.

I-90, MULLAN TO MONTANA**Contractor: Acme Concrete Paving****Cost: \$28,809,000**

Project replaces concrete roadway. Work of paving the west bound lanes is complete. Minor work remains. Contractor has started east bound lanes. We have found the jersey rail to be failing over the course of the winter. The contractor and ITD are beginning petrographic and destructive testing to determine the cause. Initial results suggest that the concrete has no air entrainment, high unit weight, low water to cement ratio, and high porosity. Contractor has made a propose remediation plan that ITD has under engineering review.

**SH-5, PLUMMER RR BRIDGE****Contractor: Ralph Wadsworth, Inc.****Cost: \$9,306,838.84**

Project replaces the SH-5 concrete bridge over the UPRR and St. Maries River RR yards in Plummer, Idaho has begun, but is proceeding very slowly. There have been several contractor, sub-contractor, and supplier caused delays and the project is badly behind schedule. Contractor has made attempts to bring the project back on time, but delays consistently occur. At the current pace, the project would finish in. Contractor is currently being charged liquidated damages, though ITD negotiated charging only those costs which are incurred due to the delay. These costs include consultant billings, railroad inspector billings, and pay items that are time based. The delays are now impacting our agreement with Ruan-Yeager. D1 will need to finish the project with internal staff due to the delay. ITD is being paid back by the contractor for these additional cost at a later date. Bridge is nearing completion. Project completion is expected at the end of July.

US-95, SMITH CREEK TO SHEEP CREEK**HDR Project Just Starting****Contractor: Apollo Construction, Inc.****Cost: \$9,285,000**

Project reconstructs a 5-mile portion of US-95 north of the Latah-Benewah County line. Contractor has two of the four large pipes before being require to shut down for the winter. Not completing the remaining pipes has impacted the project schedule. ITD will negotiate with the contractor the cost impacts of the delay. Work on schedule to be completed this Fall.

FY16 BRIDGE LIFE EXTENSION - Project Complete**Contractor: Braun-Jensen, Inc.****Cost: \$900,000.00**

Project makes deck and sub-structure repairs on several bridges between Sandpoint and Priest River on US-2. Contractor has completed work. Project closeout remains.

I-90, WALLACE VIADUCT JOINT REPAIRS, STAGE I - Project Completed**Contractor: C.L. Heilman****Cost: \$1,756,896.40**

The project will replace a portion of the viaduct deck joints. The retaining wall work is completed. All of the joints have been replaced. Project was completed last month.

US-95 GARWOOD TO SAGLE-ATHOL AND GRANITE STAGES – GARVEE - Project Completed**Contractor: Scarsella Brothers Incorporated****Cost: \$21,071,845.88**

This project reconstructs 5 miles of US-95 from 2 to a 4 lane divided highway, and an interchange at SH-54. This contract is being administered by HDR and was opened to traffic on 10/14/14.

The Contractor has completed all main-line work. Seal coat work has been deleted. The Change Order for the Blaire Castle Road is completed. Project closeout remains.

US-95 GARWOOD TO SAGLE-CHILCO AND SILVERWOOD STAGES – GARVEE - Project Completed

Contractor: Scarsella Bros.

Cost: \$35,932,532.67

This project reconstructs 6.5 miles of US-95 from 2 to a 4 lane divided highway, adds 6.5 miles of frontage road on the east side, 1.5 miles of frontage road on the west side, and two interchanges; one at Chilco Road, and Bunco Road.

Contract time is substantially complete. Seal coat and permanent striping work is complete. Claim has been sent to mitigation which will occur in September 2016.

I-90, PINEHURST RD GS - Project Complete

Contractor: Wadsworth Brothers

Cost: \$11,338,082.71

This contract will replace the structures of the Pinehurst Interchange. The east bound structure and west bound structure are complete. Project closeout remains.

I-90B, MULLAN BRIDGES - Project Complete

Contractor: C L Heilman Company

Cost: \$2,841,784.20

Work on the project is substantially complete. Project closeout remains.



Traffic Operations & Design

Congratulations to Justin Wuest who was selected as the new District One Traffic Engineer. Justin began his tenure with ITD as an Engineer in Training for four years after graduating from the University of Idaho with a Bachelors of Science in Civil Engineering. He then served as a Staff Engineer in Project Development for six years before becoming the Traffic Engineer.

The Traffic Design and Construction section has been gathering data and preparing speed studies through the GARVEE corridor north of Coeur d'Alene. Data support is being provided

for the completion of the Animal Detection Unit, as well as the traffic data collection efforts as a part of the TIGER grant funding for the Worley project.

Traffic Operations has also been working on upgrades to the US-95 corridor through the Cities of Coeur d'Alene and Hayden. Detection have been replaced and controllers will be installed to facilitate mobility. The Wi-Fi construction travel time monitoring equipment has been implemented on the Lookout Pass Project this season to capture work zone delay.

Project Design

SPOKANE STREET RRX, POST FALLS, KN 13414

Estimate: \$925K, PS&E by September 30, 2016

This proposed project would provide signalized intersection improvements at the intersection of Spokane St. and the Upper Railroad Crossing in Post Falls. The improvements consist of: mast mounted flashing lights, stopping gates for vehicles and pedestrians, additional insulated concrete crossing surfaces and a constant warning time detection system for the Spokane Street railroad crossing. The proposed signalized intersection improvements are necessary to protect the growing density of passenger vehicles from rail traffic.

GRANGE AVE UPRR RRX, POST FALLS, KN 19498

Estimate: \$240K, PS&E by September 30, 2016

This project will install gates, warning signs and insulated concrete planking to enhance safety for travelers at the Poleline Railroad Crossing in Post Falls.

WATKINS AVE RRR, ATHOL - KN19664**Estimate: \$240K, PS&E by September 30, 2016**

This project will install gates, warning signs and insulated concrete planking to enhance safety for travelers at the Watkins Avenue Railroad Crossing in Athol.

US-95 & IRONWOOD INTERSECTION, CDA - FY16 KN 19509**Estimate: \$1.05 million**

Project includes widening of the intersection to accommodate the additional traffic volumes experienced with the expansion of Kootenai Medical Health Facility and the installation of a signal Emma Ave. We have been assisting in coordinating the development with the City, Hospital, and Parkwood Properties. PS&E scheduled for June 2016 with construction to begin in 2017.

D1 SIGN UPGRADES KOOTENAI CO. - FY18 - KN 13855**Estimate: \$1.6 million**

This project replaces overhead signs that have been deemed deficient in reflectivity by FHWA along with some ground mounted signs not addressed with projects completed along I-90. Materials will be upgraded to Type 11 material allowing sign lighters to be turned off permanently, saving the department money in energy and maintenance costs. PS&E by September 30, 2016.

**ADA IMPROVEMENTS - FY18 - KN 19063****Estimate: \$150,000**

This project improves pedestrian facilities such as sidewalks, cross-walks and curbs to make them more accessible for people with disabilities. PS&E delivery is anticipated for September 30, 2016.

US-95 ELMIRA ROAD TURNBAY, BONNER CO. - FY19 - KN 18923**Estimate: \$570,000**

This project adds a dedicated left turn bay and acceleration lane to the intersection of US95 and Elmira Road. This project is an extension of the safety improvements made to the BNSF railroad crossing at Elmira Road. PS&E by September 30, 2016.

SH-41 LANCASTER INTERSECTION, KOOTENAI CO. - FY19 - KN 19471**Estimate: \$1,100,000**

This project widens and signalizes the intersection of SH-41 and Lancaster Road in Kootenai County. This signal will help facilitate the safe movement of traffic as this area has experienced rapid growth and added vehicular trips. PS&E by September 30, 2017.

Project Construction

JCT US-2 & SH-57 INTERSECTION, PRIEST RIVER - KN 19106**Contractor: Interstate Concrete & Asphalt Co., Cost: \$563,055.00**

The project will address drainage and signal upgrades at the intersection of Junction Hwy-57 and Priest River. This project will improve the intersection by adding a dedicated right turn bay for vehicles heading north. Companion to project KN 18754.



FY17 ADA IMPROVEMENTS - KN 18754**Contractor: Interstate Concrete & Asphalt Cost: \$563,055.00**

This project is companioned with JCT SH 57 Intersection Priest River Phase 1 (KN 19106) and improves pedestrian facilities such as sidewalks, cross-walks and curbs to make them more accessible for people with disabilities. Construction is approx. 95% complete.

SH-200, TRAILER HAVEN RRX, BONNER CO. - FY16 KN 18751**Estimate: \$275K**

Project includes upgrading the Railroad Signal and signage for Trailer Haven Road adjacent to SH-200. Montana Rail Link has been issued a Notice to Proceed and construction is underway.

SH 53, PLEASANTVIEW RD. TURNBAYS, HAUSER - KN 13860**Contractor: Knife River, Inc. Cost: \$386,866**

Project installs left and right turn lanes for the southbound movement onto Pleasantview Rd. from SH-53. Work has been completed and is in the process of closeout.

FY16 D1 GUARDRAIL REPLACEMENT - KN 13412**Contractor: Frank Gurney, Inc. Cost: \$391,946.50**

Project replaces guardrail throughout the District at various locations on I-90 that have been deemed unsafe. Guardrails are necessary to maintain traveler safety. The Strategic Highway Safety Plan allows for system-wide improvements that can reduce death and serious crashes. Project work was completed in April 2016. Final payment and project closeout remain.

FY16 D1 ADA IMPROVEMENTS - KN 18744**Contractor: Earthworks Northwest, Inc. Cost: \$181,075.00**

Project replaces ADA facilities that are deficient adjacent to US-2. The locations were identified in an FHWA report to the district which identified the areas as not meeting standards. Final payment and project closeout remain.

**IDAHO TRANSPORTATION
DEPARTMENT****Your Safety, Your Mobility, Your
Economic Opportunity**

District One
600 W Prairie Ave
Coeur d'Alene, ID 83815

208-772-1200
208-772-1203 (fax)



[http://itd.idaho.gov/projects/
D1/index.html](http://itd.idaho.gov/projects/D1/index.html)

Idaho Transportation Department, District One is comprised of Benewah, Bonner, Boundary, Kootenai and Shoshone Counties with a land area of 7,752 square miles. ITD District One is responsible for the design and maintenance of 1,472 lane miles and 595 centerline miles.

District One personnel strive to provide the traveling public with safe, high-mobility roads that ensure the economic opportunity of North Idaho and the Inland Northwest Region.

